

Pre-Design Conference
U.S. Mining - Jan. 29, 1988

<u>Name</u>	<u>Representing</u>	<u>Phone</u>
Dale Parker	Environmental Health	(801) 538-6121
Jack Coke	U. S. Mining	(801) 637-2832
Leonard L. Hynters	U. S. Mining	(801) 637-2832
Bryon Elwell	Bureau Water Pollution	538-6146
Arnold Peart	Bureau Radiation Control	538-6734
Scott Hopkins	Solid and Hazardous Waste	538-6170
DAN BLAKE	BUREAU OF DRINKING WATER/SANITATION	538-6163
DAVID ARIOTTI	SOUTHEAST DIST ENG.	637-3671
David Kepta	Bureau of Air Quality	538-6108
Brad Stearn	U.S. Mining Co	

Attended by Dave Wham

U.S. MINING COMPANY, INC.

1830 North 1500 West
Carbonville Road

P.O. Box 886
Price, Utah 84501-0886

Telephone
(801) 637-2832

ENVIRONMENTAL IMPACT MEETING

January, 1988

OPERATOR

U.S. Mining Company, Inc. (USMC), a Utah corporation formed in July, 1987, is the operator of a mining and precious metal processing plant located in Carbon County, Utah. USMC's principal officers are Leonard S. Wynters, President, Michael Friedlander, Chairman, and Jack E. Coke, V.P. Administration. Total current employees: 9.

BUSINESS PLAN

USMC is constructing a research pilot facility to test the feasibility of gravity concentrating large volumes of low grade precious metal ores. Under contract, USMC will test ores and deliver concentrates.

OVERVIEW OF FACILITY

USMC's pilot facility will be able to process 20 - 30 tons of head ore per day. It is not a full production plant; its mission is to determine the economic feasibility of concentrating large volumes of low grade precious metal ores. In looking over the attached exhibits, you will notice the systems' simplicity. Exhibits submitted indicate the ore is crushed using a Jeffrey Impact Crusher (with Dust containment and Noise Abatement Housing to be built prior to start-up; Note: USMC is in an industrial area (see photos) with few nearby residences. The crusher will be operated 1 - 2 hours per day, during normal business hours), the crushed ore is moved on 18" and 24" belt conveyors (Note: the 75' conveyor is supported by tower bents with 3½', 5,000 psi concrete footings) into a storage bin (with 4 3½', 5,000 psi concrete footings). The crushed ore enters the process facility via an 18" belt conveyor and is fed into a 5' X 6' Ball Mill. Water is added, and the ore is ground to -100 mesh. Note:

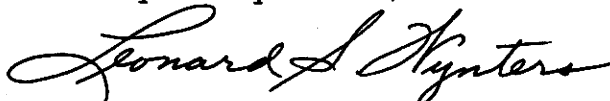
Environmental Impact Meeting
January, 1988

USMC has insulated all electric lines, and breaker panels and start-up switches are located over 30 feet from all mill machinery. All equipment was plumbed and wired by licensed plumbers and electricians. The -100 mesh slurry flows by enclosed pipe to a Pan-Am Jig and then across a concentrating table. The tailings flow from the Jig to flotation cells for further precious metal extraction and then are pumped overhead in enclosed pipes to an outdoors tailings collection pond 250' away. As the heavier solids sink, clean water flows from this pond into a second, reusable water storage pond. By using this water recirculation method, USMC intends to conserve its precious water resource and maintain an enclosed system. The tailings solids will be removed from the first collection pond for storage on USMC's privately owned, 30 acre site (not the excavation site). When we are ready to reclaim the excavation site, the tails will be moved from storage to the excavation site.

USMC intends to protect the natural physical environment at the processing facility and excavation site (we work closely with the Price River District B.L.M. and follow their guidelines in reclamation matters), conserve water and energy, comply with product safety guidelines, provide equal employment opportunity, practice business in an ethical manner and maintain satisfactory relations with government authorities. USMC has commenced fencing its entire process facility to ensure public safety and security - the ponds are currently completely enclosed with a 7½' security fence and all perimeter within several hundred yards of the plant is fenced. All motors and moving machinery parts have steel guards.

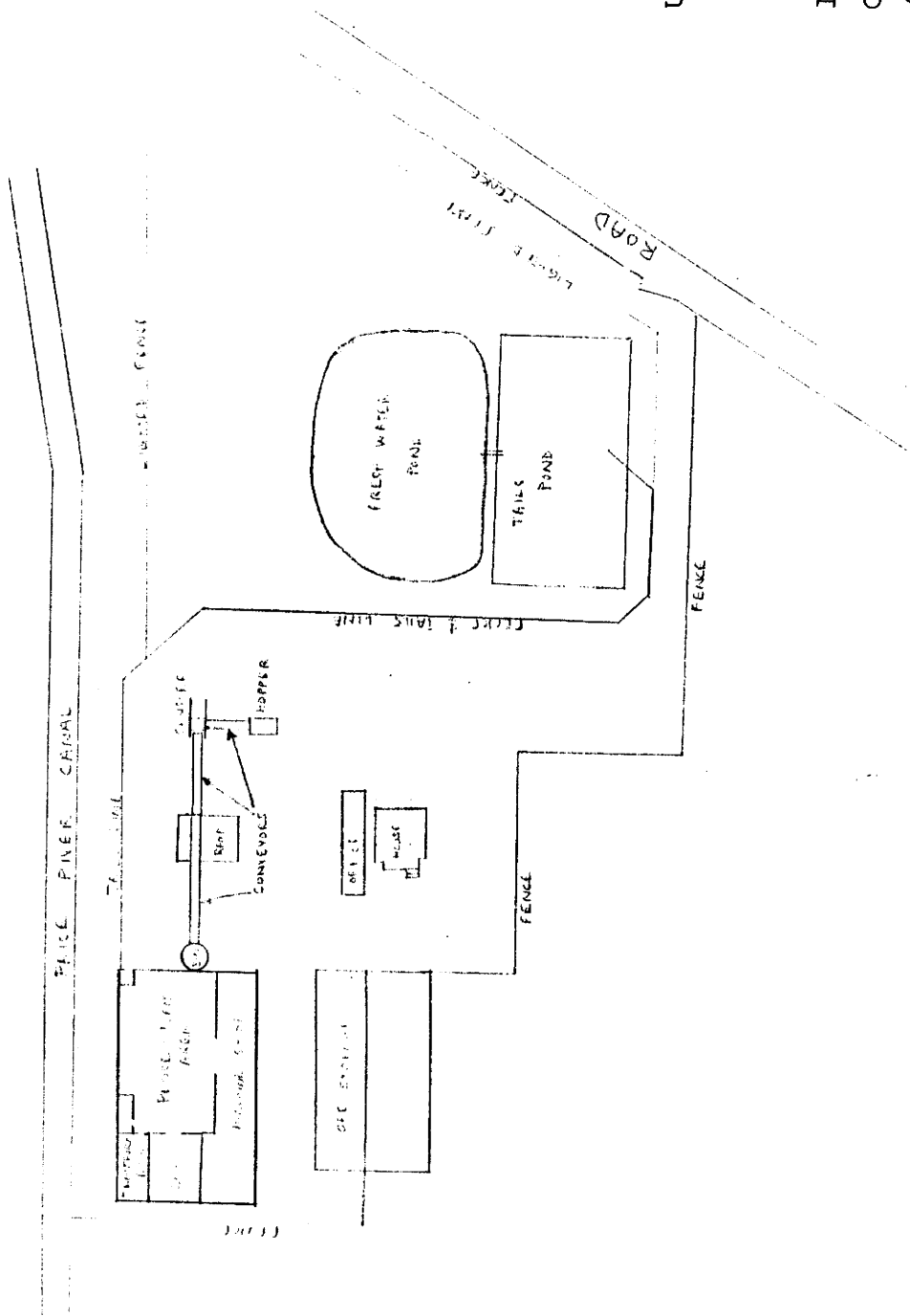
Please contact Leonard Wynters or Lamond Waters (Plant Manager) in Price at (801)637-2832 if you have questions. Comments and advice are welcome.

Very Truly Yours,



Leonard S. Wynters
President
U.S. Mining Company, Inc.

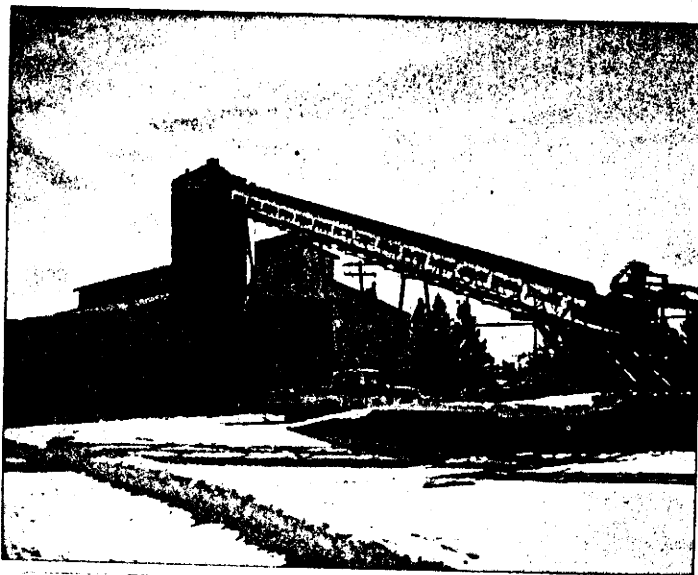
Enclosures



U.S. MINING COMPANY, INC.
PROPERTY LAYOUT

1830 N. 1500 W. MTN. STATES RD.
CARBONVILLE, UT, 84501
(801) 637-2832 / 2833

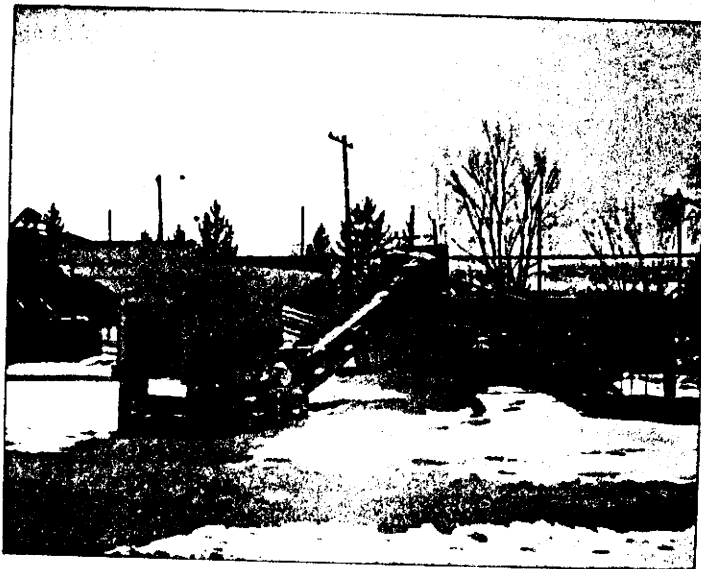
LEONARD S. WYNTERS, PRESIDENT.



75' Belt Conveyor, 18° slope,
feeds into ore storage bin (left)



Chain link fence and tailings line
surrounding tails/H₂O recirc. pond



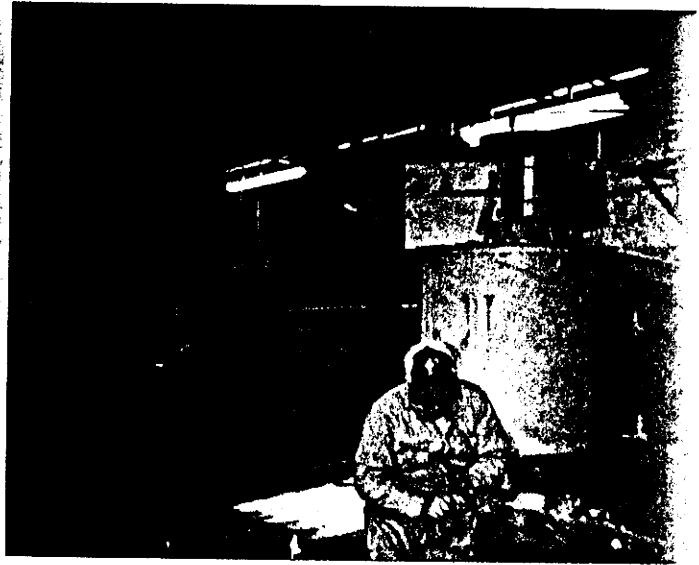
Hopper, conveyor, crusher, ext.
circuit electric panel, fence.



View from atop 75' conveyor, incl.
tails pond, hopper, crusher.



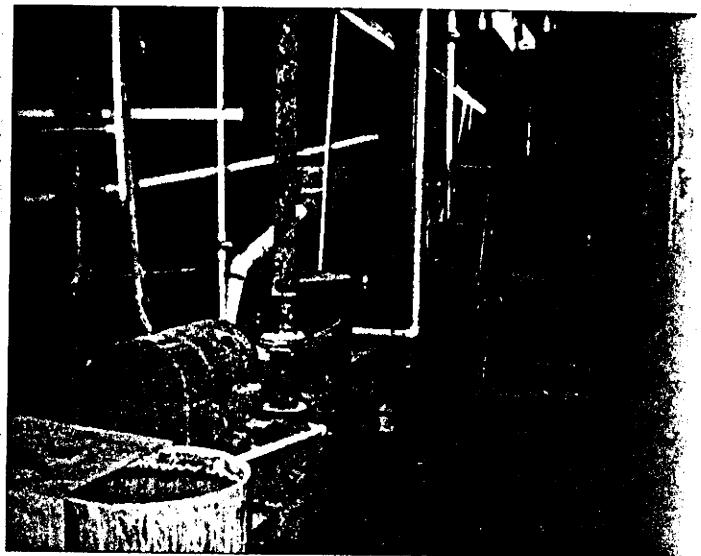
— Internal mill electrical panel
for all milling machinery (west) —



— Looking east toward milling
machinery, table, conditioner. —



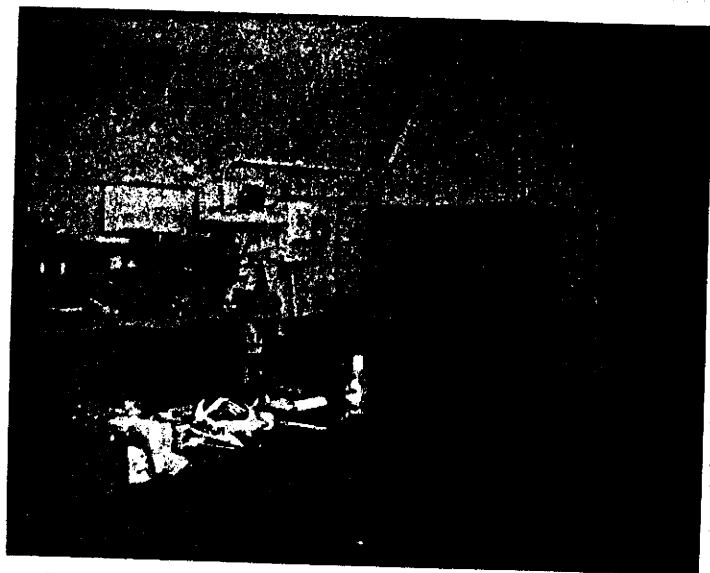
— Milling machinery (looking south)
incl. Ball Mill guards. —



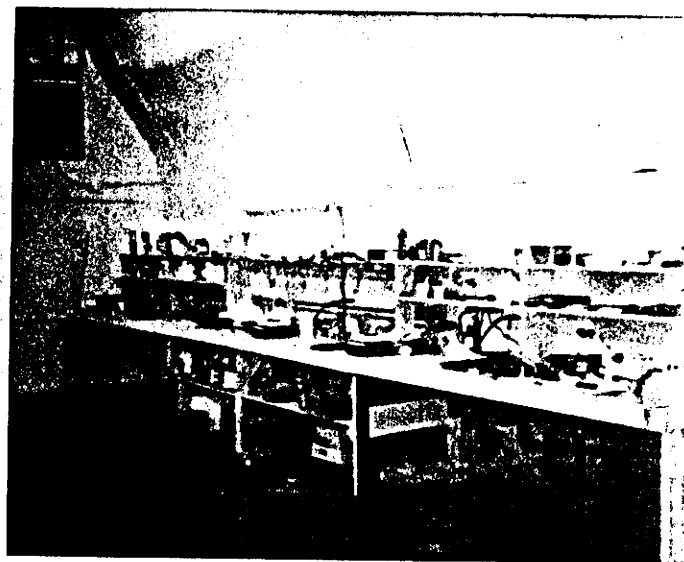
— Milling machinery, plumbing,
guards, tails pump (left front) —



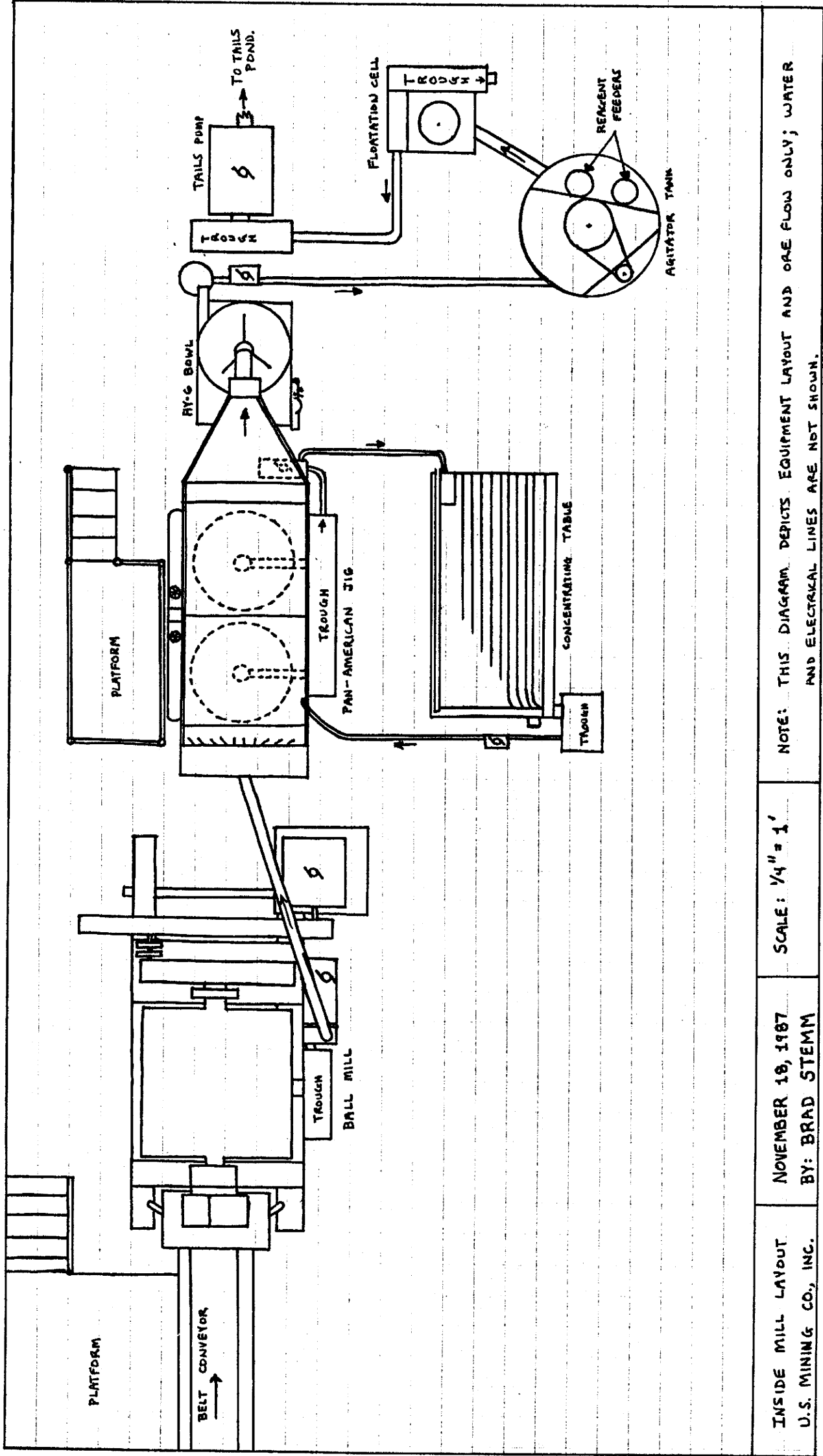
— 2500° Lab kiln, Atomic Absorption
spectrophotometer, NW lab corner.



— Lab shelves, glassware cleaning
area, scale, facing northwest.



— Laboratory shelves, work area
(18'x4') facing southwest.



INSIDE MILL LAYOUT U.S. MINING CO., INC.	NOVEMBER 18, 1987 BY: BRAD STEMM	SCALE: 1/4" = 1'	NOTE: THIS DIAGRAM DEPICTS EQUIPMENT LAYOUT AND ORE FLOW ONLY; WATER AND ELECTRICAL LINES ARE NOT SHOWN.
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